GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 28, 2001, 12:26:05; Search time 53.45 Seconds (without alignments) 6.409 Million cell updates/sec

Perfect score: US-09-551-645-1

Scoring table: Sequence: TFIGALATOT 10

Gapop 10.0 , Gapext 0.5 BLOSUM62

Searched: 93435 seqs, 34255486 residues

Total number of hits satisfying chosen parameters: 93435

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : SwissProt_39:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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CONTAINS: 120 KDA SURFACE: EXPOSED PROTEIN (SURFACE PROTEIN ANTIGEN) SLP GN SLP GN SLP RICKETTSIA TYPHI. OS RICKETTSIA TYPHI. RICLIANS TO THE LAW TYPHI. RICLIANS TO THE LAW TO THE TABLE TYPHI. RICKETTSIA TYPHI. CC CLARK RICKETTSIAL CLARK RICKETT	34 31 63.3 851 BCK2_YEAST 35 30 61.2 107 VLYS_LAMBD 36 30 61.2 261 SSEB_ECOLI 37 30 61.2 261 SSEB_ECOLI 38 30 61.2 261 SSEB_ECOLI 39 30 61.2 292 DAPA_ECOLI 39 30 61.2 392 PPSS_MAIZE 40 30 61.2 392 PPSS_MAIZE 41 30 61.2 392 PPSS_MAIZE 42 30 61.2 392 PPSS_MAIZE 43 30 61.2 442 YA17_SYNY3 44 30 61.2 443 DCUA_HELPY 44 30 61.2 443 DCUA_HELPY 45 30 61.2 518 RTN_ECOLI AC P96989; DT ONMB_RICTY ID OMMB_RICTY ID OMB_RICTY ID
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Antigen; EMBL; L04661;

S-lay

Transmembrane;

AAB48987.1;

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"The genome sequence of Rickettsia prowazekii and the mitochondria.";
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                        MEDLINE=92114050; turned G.A.; Ching W.M., Carl M., Dasch G.A.; Ching W.M., Carl M., Dasch G.A.; Mapping of monoclonal antibody binding sites on CNB: fragments "Mapping of monoclonal antigens of Rickettsia typhi and Ric
                                                                                                                                                                                                   STRAIN-BREINL;
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NCBI_TaxID=782;
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f ompB of Rickettsia
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120K_RICRI

01-APR-1990 01-FEB-1996 01-OCT-2000

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P14914;

20K_RICRI

STANDARD;

1300 AA

Rickettsia rickettsii.

.20 KDA SURFACE-EXPOSED

PROTEIN.

Bacteria; Proteobacteria;

Rickettsieae;

alpha subdivision; Rickettsiales; eae; Rickettsia.

Rickettsiaceae; NCBI_TaxID=783;

STRAIN-R

SEQUENCE

Z.A

MEDLINE-90136087; PubMed-2515418; Gilmore R.D. Jr., Joste N., McDon

120 kD surface-exposed protein of Mol. Microbiol. 3:1579-1586(1989)

FUNCTION: MAJOR STRUCTURAL

RICKETTSIAL VIRULENCE FACTOR AND/OR IMMUNOGEN DURING INFECTION

PROTEIN WHICH MAY PLAY A ROLE AS

rickettsii."; the

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Gilmore R.D. Jr., Joste N., McDonald G.A.;
"Cloning, expression and sequence analysis of 120 kD surface-exposed protein of Rickettsia J

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Infect. Immun. 60:159-165(1992).
Infect. Immun. 60:159-165(1992).
IF FUNCTION: THE 120 KDA SURFACE-EXPOSED PROTEIN IS A MAJOR STRUCTURAL PROTEIN WHICH MAY PLAY A ROLE AS A RICKETTSIAL VIRULENCE FACTOR AND/OR IMMUNOGEN DURING INFECTION.
IF FUNCTION: THE 32 KDA BETA PETITE MAY SERVE AS A MEMBRANE
I- FUNCTION: THE 32 KDA BETA PETITE MAY SERVE AS A MEMBRANE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE-92104668; PubMed-1729180;
Hackstadt T., Messer R., Cleplak W. Jr., Peacock M.G.;
"Evidence for proteolytic cleavage of the 120-kilodalton outer
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A -> S (IN STRAIN BREINL).
AA -> VC (IN REF. 1).
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T -> I (IN REF. 1).
D -> G (IN REF. 2).
T -> S (IN REF. 2).
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